

# 2020 AWWA Water Audit

## Level 1 Validation Report, Part A

### WATER SUPPLIER INFORMATION

Water Supplier: *City of Roseville*  
System Type: *Potable water*  
PWS IS: *3110008*  
Audit Period: *CY 2020*  
Utility Representative: *Bobby Alvarez, Water Conservation Administrator*

Validation Date: *Interview 9/16/2021*  
Supporting Documents Provided: *Water Utility Reporting Master spreadsheet updated with 2020 data, tank storage volume calc, intertie contract, documentation on customer meter age, testing and replacement, production meter testing records.*

Supplier Participants: *B. Alvarez, S. Peterson, M. Simi, T. Joseph, P. Pirabarooban, J. Shannon, J. Tadlock, D. Boisa*

### KEY AUDIT METRICS

Data Validity Score:	75	
ILI:	0.65	
Real Loss:	12.08	<i>gallons / connection / day</i>
Apparent Loss:	8.23	<i>gallons / connection / day</i>
Non-Revenue Water as Percent of Cost of Operating System:	4.7%	

### VALIDATOR INFORMATION

Validator: *Colleen Boak, PE*  
*Water Works Engineers*  
*530-356-5105*  
*760 Cypress Avenue, Redding CA 96001*

Validator Qualifications: *Water Audit Validator Certificate from the AWWA California Nevada Section, original TAP Program, Recertification achieved August 2021*

### CERTIFICATION STATEMENT:

*This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.*

*All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit.*



Signature of Validator

9/23/21

Date

## 2020 AWWA Water Audit

### Level 1 Validation Report, Part B

**Water Supplier Name:** City of Roseville

**Water Supplier Public Water System ID:** 3110008

**Water Audit Period:** 01/01/2020 through 12/31/2020

#### Water Audit & Water Loss Improvement Steps:

*(Utility to provide a brief narrative of steps taken in the subject year to increase data validity, reduce real loss and apparent loss as informed by the annual validated water audit.)*

There has been significant progress by our team in this last year with efforts to volumetrically test production meters, reassess customer meter age, plan for testing/replacement of customer meters, monitor pressures throughout the system, and work toward greater accuracy in estimating authorized unbilled meter usage. Moving forward, there are plans to explore testing coordination with neighboring agencies for intertie meters, implement AMI, and increase meter testing and replacement.

#### Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations, Title 23, Division 2, Chapter 7, as well as the California Water Code Section 10608.34, and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audit and Loss Control Programs, Manual M36, Fourth Edition* and in the *Free Water Audit Software, version 5*.

**Executive Name (Print)**

Sean Bigley

**Executive Position**

Assistant Director, EU

**Signature**



**Date**

9/23/2021